



81360RLW  
Customer No. 01333

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Nathan D. Cahill

POPULATION MIXTURE  
MODELING WITH AN  
INDETERMINATE NUMBER OF  
SUB-POPULATIONS

Serial No. 09/833,377

Filed 12 April 2001

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

Sir:

Group Art Unit: 2623

Examiner: Kevin Siangchin

I hereby certify that this correspondence is being deposited today with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Anita Marie Barker  
Anita Marie Barker  
July 15, 2004  
Date

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JUL 23 2004

Technology Center 2600

**Amendment**  
In response to the Office Action mailed March 16, 2004, please amend the above-identified application as follows.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 6 of this paper.

**Remarks/Arguments** begin on page 13 of this paper.